

Aerojet Rocketdyne Activities – March 2015
(Bold Items shown on Figure)

- A **GET L-A**
- B **GET L-B**
- C **ARGET**
- D **AC-6**
- E **AC-12**
- F **AC-18 and AC-23.** AC-18 operating full-time with IX units for perchlorate removal.
- G **AC-24**
- H **GET AB** – Expansion of plant is completed and additional wells being brought on-line. Plant capacity is now 4000 gpm. New facility will reduce the power used by the UV system. Up to 1200 gpm is provided to Aerojet's industrial water supply. Pipeline being constructed to bring two new extraction wells to the plant is nearly completed.
- I **GET E/F** Installing IX units for perchlorate removal – allowing plant expansion. Some IX units are now operational. A fifth air stripper will also be added. Following the construction of the new pipeline to GET AB, a new pipeline connecting extraction wells on the IRCTS property in southeast Zone 2, and extraction wells for the Propellant Burn Area and GET F Sprayfield is being constructed – started in September. Last part remaining is to the section to the Sprayfield wells.
- J **GET D**
- K **GET J** - Pipeline being constructed to connect 3 new Layer E extraction wells in Gold River.
- L **GET K**
- M **GET H**
- N **White Rock Road North Dump -**
- O **New Monitor Wells/Extraction Wells:**
 - 1. Monitor well on Trinity River Drive is completed. Additional wells sites being considered.
 - 2. New monitor well for Layer E/F in southeast Zone 2 on IRCTS property has been completed.
 - 3. Two more monitor wells in Zone 3 near new extraction wells have been completed. These are the next ones to start. These are near extraction wells 4714/15 and 4716/17.
 - 4. Completing extraction well components at two extraction wells south of White Rock Road North Dump. One to GET AB one to White Rock GET.
 - 5. Evaluating a new extraction well in Ancil Hoffman or Rossmoor Bar Park
- P **Chettenham Well**
- Q Sacramento County Water Supply Replacement Issues. Golden State Water Company and Carmichael Water District are working on a project to bring American River water to Golden State
- R Draft Soils Engineering Evaluation and Cost Analysis – Aerojet has proposed to expedite soil cleanups where the proposed remedy is excavation. This document would be used as the process to do so. Agencies are reviewing. EPA is indicating that the proposed process will likely not be acceptable.
- S Western Groundwater Operable Unit. Aerojet submitted an Outer Barrier Performance Evaluation Report to assess plume capture in February 2014 and an Inner Barrier report in August 2014.
- T Perimeter Operable Unit – Aerojet is completing improvements to capture system discussed above. Aerojet has constructed the SVE system in Area 4900 and is

conducting a pilot test in to determine radius of influence. Then design full-scale system while pilot system continues to operate.

- U Boundary OU – Draft ROD. EPA estimates that the ROD will be completed by Spring 2015.
- V Island OU – Agencies have supplied comments on draft remedial investigation report and Aerojet has prepared responses. Aerojet has submitted draft risk assessment and the Agencies are in the process of reviewing. Aerojet has completed the sampling proposed in the supplemental Sampling and Analysis Plan for Area 40 to further defined the extent of contamination.
- W **Area 39 Open Space** – Agencies are reviewing the Final RI.
- X Treatability Studies:
 - i) **Line 03.** No change
 - ii) **In-situ Bioremediation of NDMA.** Addition of propane into the shallow groundwater to stimulate bacteria to degrade NDMA finished field work. Report has been finalized.
 - iii) Encapsulated Bacteria for NDMA Destruction. Microvi expanded pilot study is on-going. 120 gpm at **GET E/F** – fluidized bed. No Change. Looking at testing using acetone in an additional study.
 - iv) **Area 40 PRB.** Results of 2014 sampling event have been received. PRB still reducing VOC and perchlorate concentrations.
 - v) Use of So. Cal perchlorate ion exchange resin to pretreat IX system at Aerojet. Evaluation completed. Full scale pilot at ARGET is taking place.
- Y Eastern Operable Unit. Preparing Remedial Investigation report.
- Z Central Operable Unit. Preparing Remedial Investigation report
- AA Cavitt Ranch Operable Unit – Aerojet has prepared a remedial investigation sampling plan and the Agencies have this under review.
- BB Groundwater – General. Aerojet has submitted a draft groundwater monitoring plan and the Agencies are in the process of reviewing.
- CC NPDES Permit.
- DD Aerojet Landfills. Aerojet is in discussions with the County of Sacramento, Cal Recycle and the Agencies regarding removal of the landfills. Timing of removal with respect to development of the nearby property.

IRCTS: NOT CHANGES

1. **Sigma Complex In-situ Bioremediation of Groundwater.** Boeing has turned the system off and is evaluating rebound in groundwater. Concentrations of perchlorate have been reduced significantly. No changes.
2. **White Rock Road Dumps 1 and 2.** Closure is complete. Developing Land Use Covenants
3. **GET F Sprayfield and PBA.** Two new extraction wells have been constructed and are awaiting pipeline to GET E/F as part of the PGOU effort.
4. **GET H-B.** No changes.
5. **SGSA Treatment System** – Due to the construction of a storm drain main along Douglas Road that will cut off the pipeline from the extraction wells on the south side of Douglas Road, Boeing is constructing a small treatment system south of Douglas Road.

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